

I claim:

1) A device useful for transporting and securing various articles which comprises:

a) a first outer frame member having a first end portion, a second end portion, a lower length portion and an upper length portion;

5 b) a second outer frame member having a first end portion, a second end portion, a lower length portion and an upper length portion,

wherein each of said first and second outer frame members comprise a bend, so that their lower length portions reside in the same substantially-horizontal plane and so that their upper length portions reside in the same substantially-vertical plane,

10 c) a first supporting cross-member having a first end portion and a second end portion wherein said first end portion of said first supporting cross-member is attached to said first outer frame member at a point on its upper length portion, and wherein said second end portion of said first supporting cross-member is attached to said second outer frame member at a point on its upper length portion;

15 d) a second supporting cross-member having a first end portion and a second end portion wherein said first end portion of said second supporting cross-member is attached to said first outer frame member at a point on its lower length portion, and wherein said second end portion of said second supporting cross-member is attached to said second outer frame member at a point on its lower length portion;

20 e) a third supporting cross-member having a first end portion and a second end portion wherein said first end portion of said third supporting cross-member is attached to said first outer frame member at its first end portion, and wherein said

second end portion of said third supporting cross-member is attached to said second outer frame member at its first end portion;

f) a first inner frame member having a first end portion, a second end portion, a lower length portion and an upper length portion;

5 g) a second inner frame member having a first end portion, a second end portion, a lower length portion and an upper length portion;

wherein each of said first and second inner frame members comprise a bend, so that their lower length portions reside in the same substantially-horizontal plane and so that their upper length portions reside in the same substantially-vertical plane, said first and second inner frame members being attached to said third supporting cross member at a point on their upper length portions,

h) a first vertical support member slidably disposed within said first end portion of said first inner frame member;

15 i) a second vertical support member slidably disposed within said first end portion of said second inner frame member;

j) a first support arm attached to said upper length portion of said first outer frame member;

k) a second support arm attached to said upper length portion of said second outer frame member;

20 l) a plurality of wheels attached at a location selected from the group consisting of: said first inner frame member, second inner frame member, said first outer frame member, and said second outer frame member.

2) A device according to claim 1 further comprising: m) a connective brace having a first end portion and a second end portion, wherein said first end portion of said connective brace is attached to said first vertical support member, and wherein said second end portion of said connective brace is attached to said second vertical support member.

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3) A device according to claim 1 further comprising: m) a swingable handle means pivotally attached to said third supporting cross member.

4) A device according to claim 3 further comprising: n) a u-shaped insert having a first end portion and a second end portion, which end portions of said insert are slidably disposed within said second end portions of said first and said second outer frame members.

5) A device according to claim 1 further comprising: m) a u-shaped insert having a first end portion and a second end portion, which end portions of said insert are slidably disposed within said second end portions of said first and said second outer frame members.

6) A device according to claim 1 wherein said wheels are disposed at the ends of a common axle.

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7) A device according to claim 1 wherein said substantially-horizontal and said substantially-vertical planes intersect to form an angle which is any angle between about 60 degrees and about 120 degrees.

5 8) A device according to claim 1 wherein said substantially-horizontal and said substantially-vertical planes intersect to form an angle which is about 90 degrees.

9) A device according to claim 1 wherein the length of at least one of said first and said second support arms is adjustable.

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10) A device according to claim 1 further comprising: m) a third support arm attached to said upper length portion of said first outer frame member.

11) A device according to claim 9 further comprising: n) a fourth support arm attached to
15 said upper length portion of said second outer frame member.

12) A device according to claim 11 wherein the length of at least one of said third and said fourth support arms is adjustable.

20 13) A device according to claim 11 further comprising: o) a fifth support arm attached to said first vertical support member

14) A device according to claim 13 further comprising: p) a sixth support arm attached to said second vertical support member.

15) A device according to claim 13 wherein the length of at least one of said fifth and
5 said sixth support arms is adjustable.

16) A device according to claim 1 further comprising: m) a u-shaped shroud support having a first end portion and a second end portion, wherein said first end portion of said u-shaped shroud support is attached to said first outer frame member at a point on the
10 upper length portion of said first outer frame member, and wherein said second end portion of said u-shaped shroud support is attached to said second outer frame member at a point on the upper length portion of said second outer frame member.

17) A device according to claim 16 further comprising a shroud affixed to said shroud
15 support.

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18) A device useful for transporting articles comprising:

a) a first outer frame member having a first end portion, a second end portion, a lower length portion and an upper length portion;

b) a second outer frame member having a first end portion, a second end portion,
5 a lower length portion and an upper length portion,

wherein each of said first and second outer frame members comprise a bend, so that their lower length portions reside in the same substantially-horizontal plane and so that their upper length portions reside in the same substantially-vertical plane,

c) a first supporting cross-member having a first end portion and a second end
10 portion wherein said first end portion of said first supporting cross-member is attached to said first outer frame member at a point on its upper length portion, and wherein said second end portion of said first supporting cross-member is attached to said second outer frame member at a point on its upper length portion;

d) a second supporting cross-member having a first end portion and a second end
15 portion wherein said first end portion of said second supporting cross-member is attached to said first outer frame member at a point on its lower length portion, and wherein said second end portion of said second supporting cross-member is attached to said second outer frame member at a point on its lower length portion;

e) a third supporting cross-member having a first end portion and a second end
20 portion wherein said first end portion of said third supporting cross-member is attached to said first outer frame member at its first end portion, and wherein said second end portion of said third supporting cross-member is attached to said second outer frame member at its first end portion;

f) a first inner frame member having a first end portion, a second end portion, a lower length portion and an upper length portion;

g) a second inner frame member having a first end portion, a second end portion, a lower length portion and an upper length portion;

5 wherein each of said first and second inner frame members comprise a bend, so that their lower length portions reside in the same substantially-horizontal plane and so that their upper length portions reside in the same substantially-vertical plane, said first and second inner frame members being attached to said third supporting cross member at a point on their upper length portions,

10 h) a first vertical support member slidably disposed within said first end portion of said first inner frame member;

i) a second vertical support member slidably disposed within said first end portion of said second inner frame member;

15 j) a first support arm attached to said upper length portion of said first outer frame member;

k) a second support arm attached to said upper length portion of said second outer frame member;

20 l) a plurality of wheels attached at a location selected from the group consisting of: said first inner frame member, second inner frame member, said first outer frame member, and said second outer frame member;

m) a connective brace having a first end portion and a second end portion, wherein said first end portion of said connective brace is attached to said first

vertical support member, and wherein said second end portion of said connective brace is attached to said second vertical support member;

n) a swingable handle means pivotally attached to said third supporting cross member;

5 o) a u-shaped insert having a first end portion and a second end portion, which end portions of said insert are slidably disposed within said second end portions of said first and said second outer frame members;

p) a third support arm attached to said upper length portion of said first outer frame member;

10 q) a fourth support arm attached to said upper length portion of said second outer frame member;

r) a fifth support arm attached to said first vertical support member;

s) a sixth support arm attached to said second vertical support member;

15 wherein the length of at least one of said first, second, third, fourth, fifth, and said sixth support arms is adjustable,

19) A device according to claim 18 further comprising: t) a u-shaped shroud support having a first end portion and a second end portion, wherein said first end portion of said
20 u-shaped shroud support is attached to said first outer frame member at a point on the upper length portion of said first outer frame member, and wherein said second end portion of said u-shaped shroud support is attached to said second outer frame member at a point on the upper length portion of said second outer frame member.

20) A device according to claim 19 further comprising a shroud affixed to said shroud support.

21) A wheeled hand truck comprising:

- 5 a) a horizontal portion onto which a cargo may be disposed;
- b) a vertical portion comprising a plurality of linear structural elements;
- c) a plurality of support arms attached to one or more of said linear structural elements, wherein said support arms are disposed substantially horizontally and each have an outer end portion having a tip portion disposed thereon which are
10 adapted to contact a cargo item disposed on said hand truck in a grasping fashion;
 and
 d) means for varying the length of said support arms.

22) A wheeled hand truck according to claim 21 wherein said support arms comprise an
15 outer tubular portion and an inner portion which is slidably disposed within the outer tubular portion.

23) A wheeled hand truck according to claim 21 wherein said tip portions are attached to a rider which is disposed about an adjustment screw that is located within and whose
20 length transverses substantially the entire length of the support arm.

24) A wheeled hand truck according to claim 23 wherein said rider is prevented from lateral movement by virtue of the presence of a portion of its construct being positioned within a slot existing substantially along the entire length of the support arm.